### Honolulu High-Capacity Transit Corridor Project Alternatives Analysis

### Community Update Meeting 9 Summary Report

April 6, 2007

Prepared for: City and County of Honolulu

Prepared by: Parsons Brinckerhoff Quade & Douglas, Inc.

The ninth Community Update meeting was held on Tuesday, September 19, 200 Elementary School Cafeteria. It was attended by approximately 25 people.	6 at Holomua
Attached is the meeting agenda, a copy of the PowerPoint presentation and a cop sheet.	by of the sign-up
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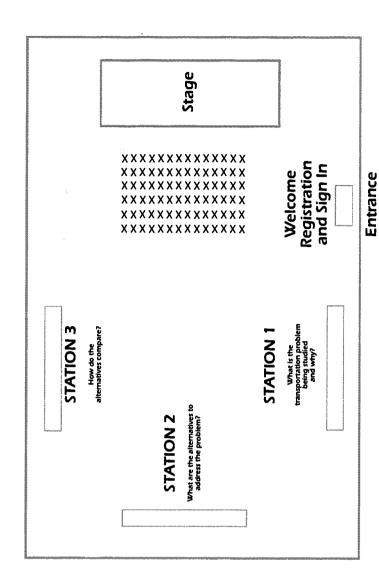
### COMMUNITY UPDATE AGENDA

### Holomua Elementary School Cafeteria Tuesday, September 19, 2006 7:00 p.m. - 8:30 p.m.

7:00 p.m. - 7:30 p.m.
 Registration
 Visit Stations
 Meet with Project Team

■ 7:30 p.m. - 8:00 p.m. Formal Presentation

■ 8:00 p.m. - CLOSING Visit Stations for Q & A



Holomua Elementary School Cafeteria Floor Plan

HONOLULU HIGH-CAPACITY TRANSIT CORRIDOR PROJECT



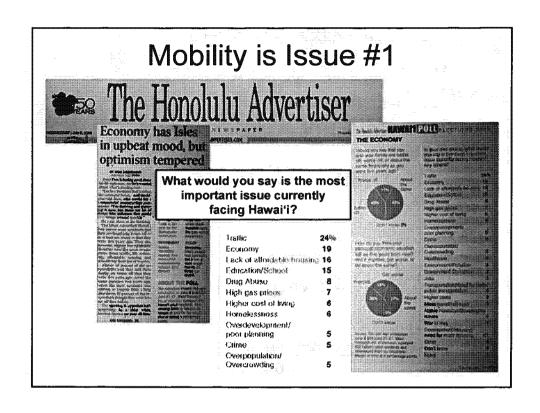
### **Community Update**

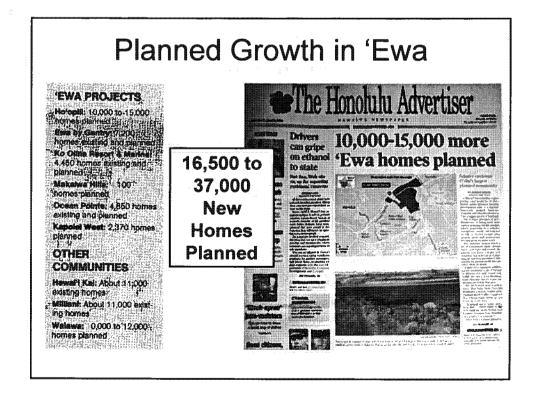
September 19, 2006

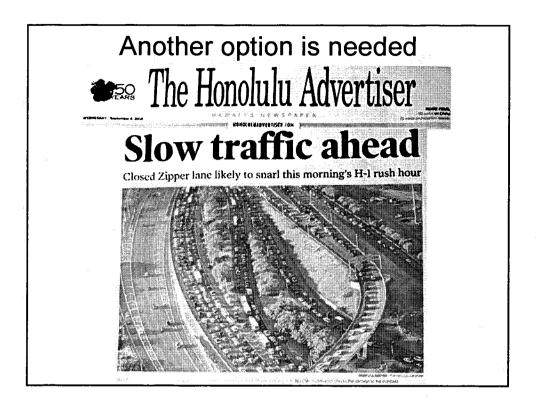
www.honolulutransit.org 566-2299

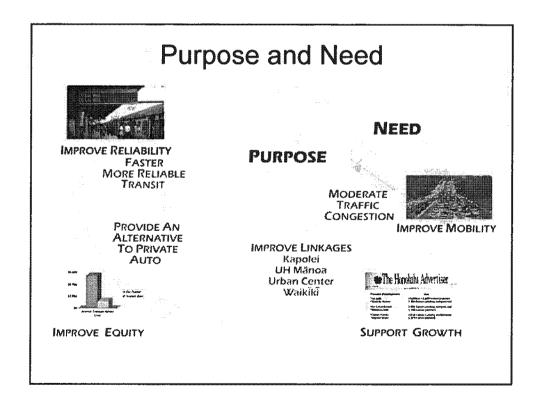
### Introduction

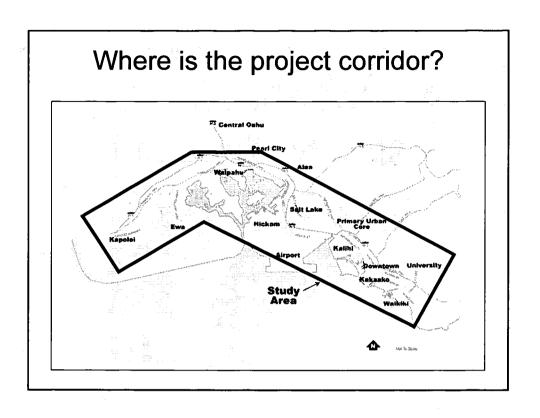
- Purpose
- Alternatives
- Comparisons of Alternatives
- Schedule

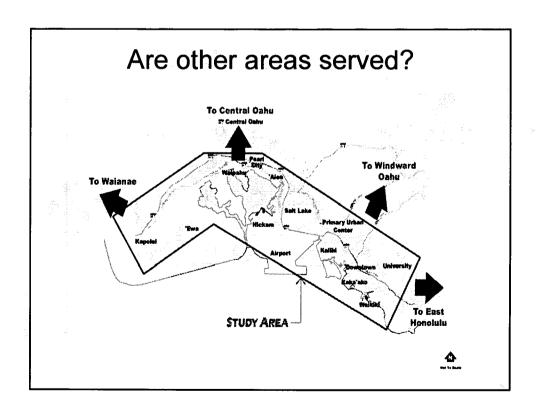


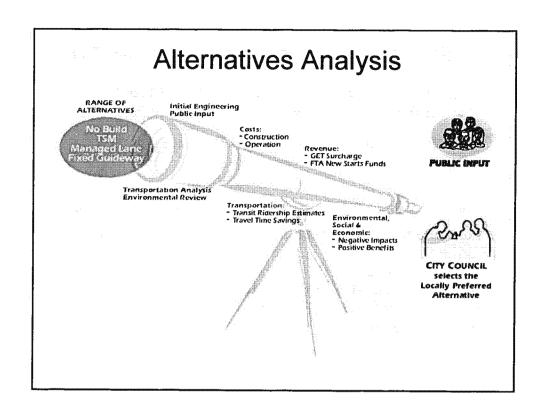












### Four Alternatives

- No Build
- Transportation System Management (TSM)
- Managed Lane
- Fixed Guideway

### Alternative 1: No Build Alternative

- Existing bus system, including currently programmed enhancements and expansion to support growth
- · Projects included in the O'ahu Regional **Transportation Plan**

North-South Road

Farrington Highway widening

Fort Weaver Road widening

**Leeward Commuter Ferry** 

H-1 Improvements:

Waiawa Interchange to Halawa

Middle Street to Vineyard

Interchange widening

**Boulevard widening** 

H-1 HOV lanes (Makakilo to

Waiawa)

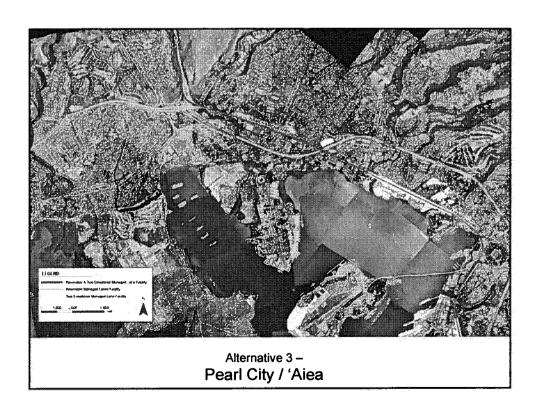
PM Zipper Lane

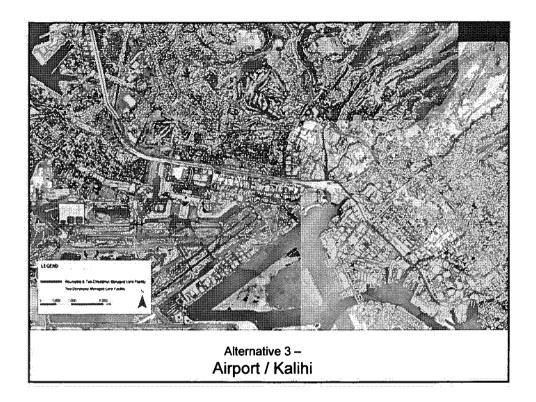
### Alternative 2: Transportation System **Management Alternative**

- Construction of new low-cost transit facilities:
  - Park-and-ride lots
  - Transit centers
- Expanded bus service
- Everything included in No Build

### Alternative 3: Managed Lane Alternative

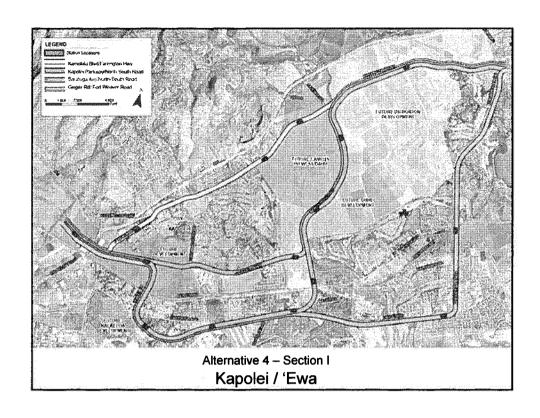
- · Everything included in No Build
- Construction of a two-lane grade-separated roadway from Waipahu to lwilei
- Two options:
  - Two-lane reversible
  - One-lane in each direction
- "Manage" use of lanes, to maintain free-flow speeds for buses
- Allow up to available capacity:
  - High-occupancy vehicles (HOVs)
  - Toll-paying single-occupant vehicles (with variable pricing)

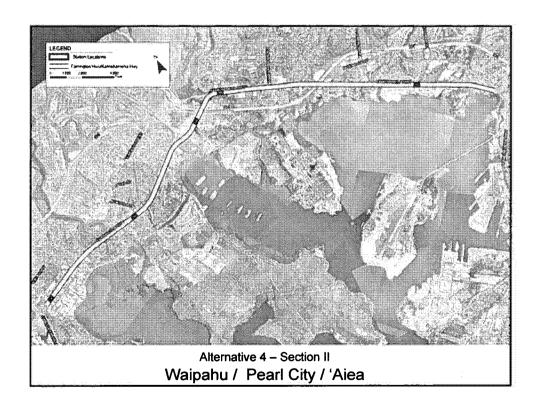


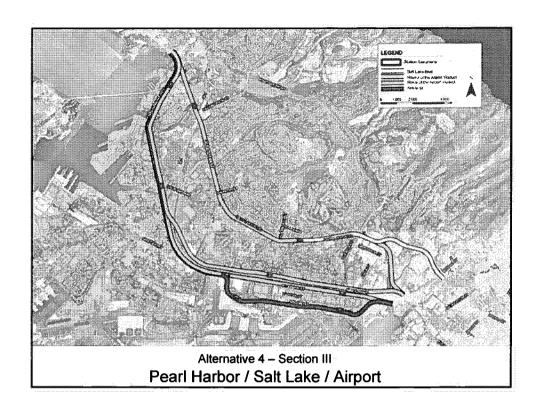


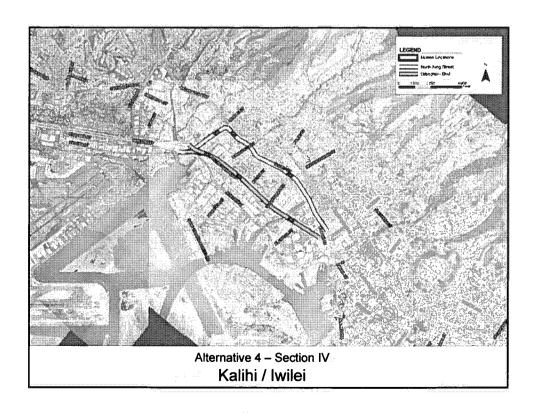
### Alternative 4: Fixed Guideway Alternative

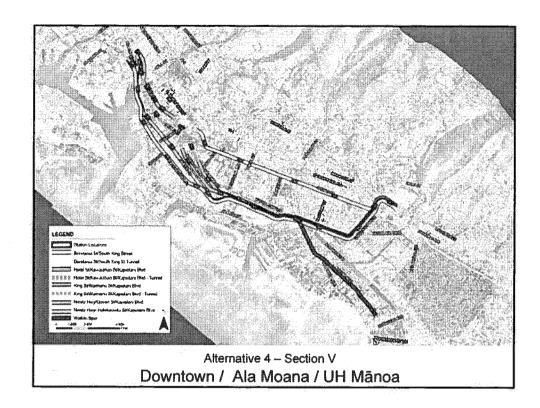
- Fixed guideway system
  - High Capacity
  - Reliable travel times
  - Integrated with bus, parking, bicycling and walking
- Multiple alignment options by geography
- Four technologies being considered







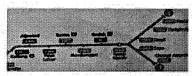




### What are the operating details?

- · When will it run?
  - From 4 a.m. to midnight, every 3 to 10 minutes.
- · How much will it cost?
  - Same as TheBus, can use a transfer from one to the other.
- What about bicycles?
  - Bicycles permitted during non-peak times.
- · How fast will it be...







### How long will it take?

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From	То	Time	Current Bus Time
Kapolei	Downtown	~ 38 minutes	~ 60 minutes
Waipahu	Ala Moana Center	~ 28 minutes	~ 55 minutes
Pearl Highlands	Downtown	~ 22 minutes	~ 50 minutes
Airport	Waikīkī	~ 19 minutes	~ 50 minutes
UH Mānoa	Downtown	~ 10 minutes	~ 25 minutes

### What transit technologies are being considered?



Light Rail



Maglev

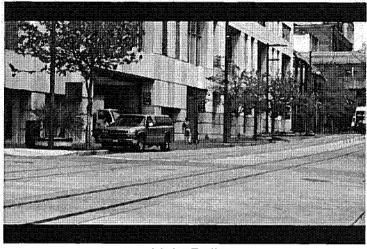


Monorail



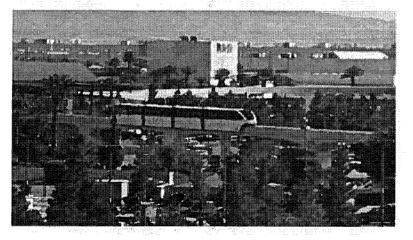
Rapid Rail

### Fixed Guideway Alternative



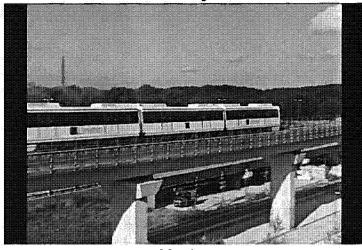
Light Rail

### **Fixed Guideway Alternative**



Monorail

### **Fixed Guideway Alternative**



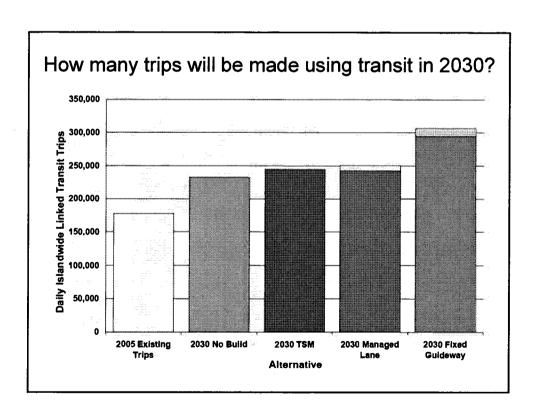
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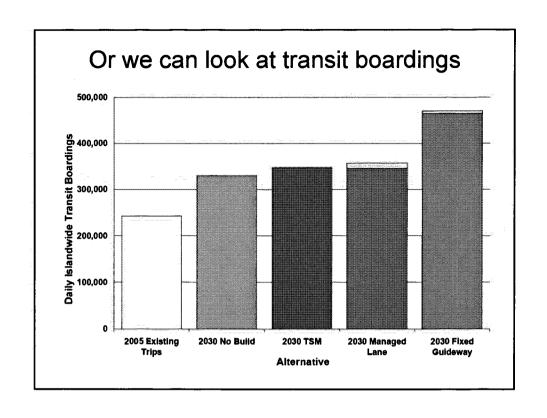
### **Fixed Guideway Alternative**

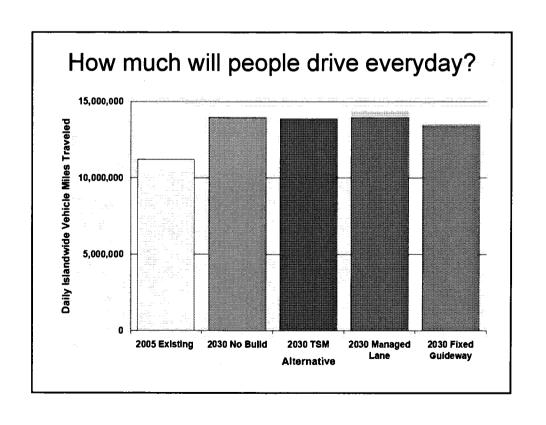


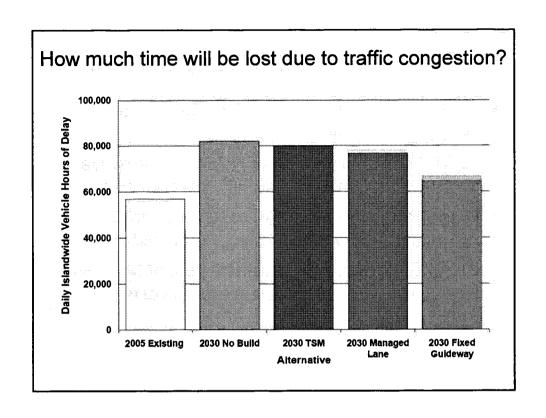
Rapid Rail

How do the alternatives compare?









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Type of		Lmax no	oise le	evel at 5	0 fe	et (di	BA)	
Vehicle	60	70		80	- Application	90		100
Automobile	,					,		
City Bus								
Light Rail						:: .		
Rapid Rail								
Monorail								
Maglev								
Delivery Truck								
Dump Truck	and the same of th							

### What will the alternatives cost?

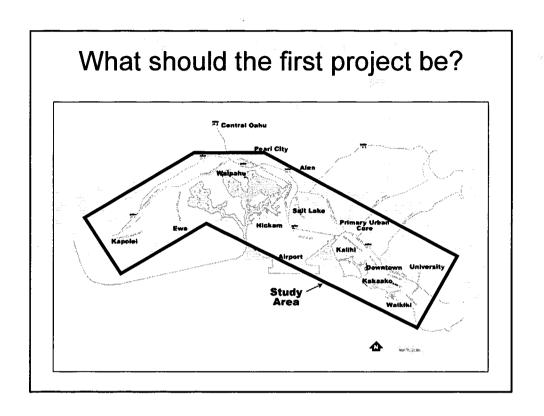
- No Build Alternative: \$800 million in bus replacement costs
- TSM Alternative: Cost of No Build Alternative + less than \$300 million in transit improvements
- Managed Lane Alternative: Cost of No Build Alternative + over \$2 billion in project costs
- Fixed Guideway Alternative: Cost of No Build Alternative + over \$3 billion in project costs

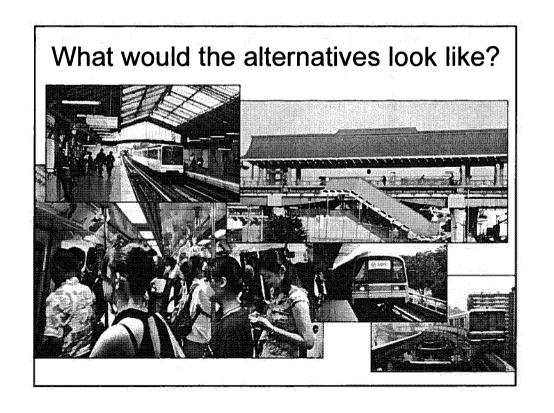
### For Fixed Guideway - is there a financially prudent first project?

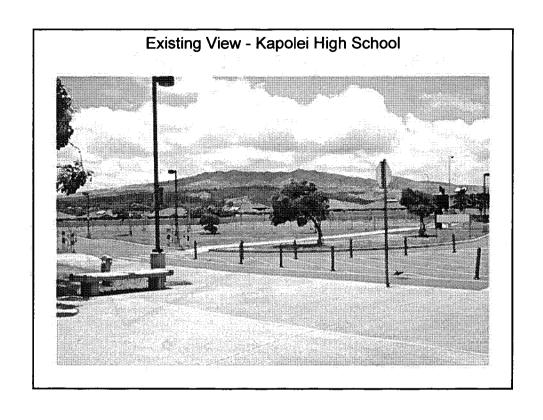
The analysis should include options that:

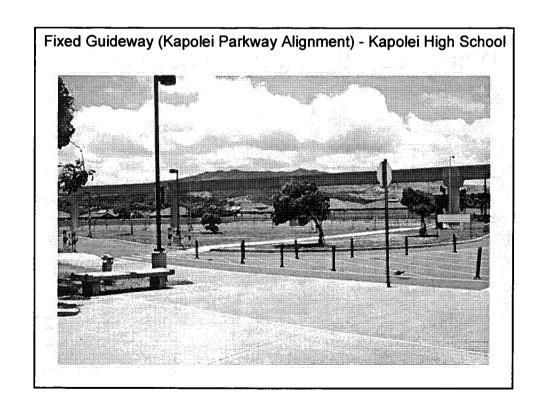
- Meet FTA guidance to consider a range of intermediate-cost alternatives –
- Are conscientious about expending taxpayer money
- · Provide substantial benefit within a limited cost

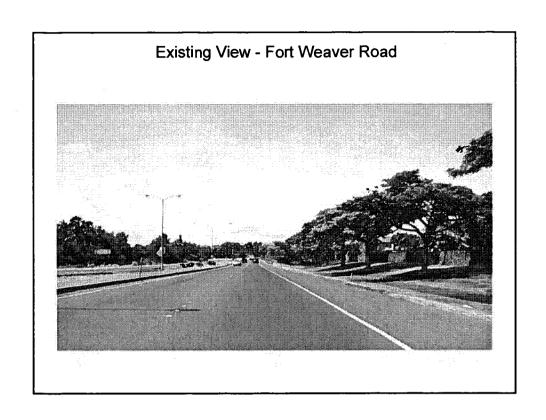
Define the first project as a portion of the corridor that best meets project goals and objectives with a project budget of about \$3 billion.

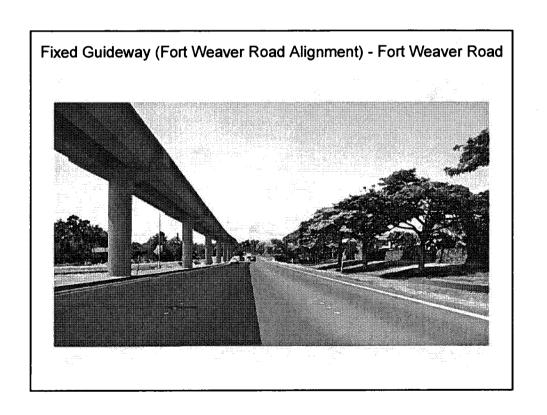


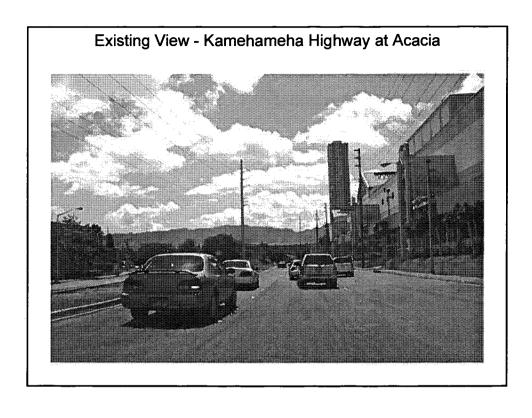


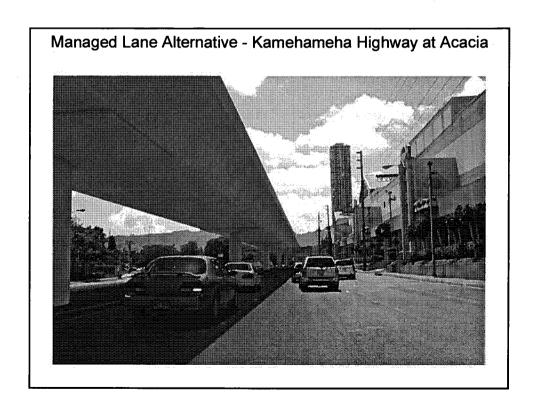


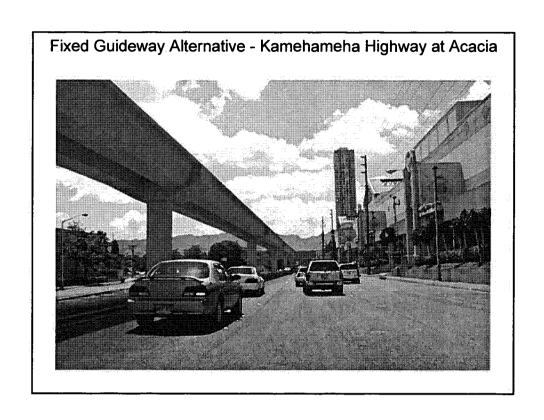


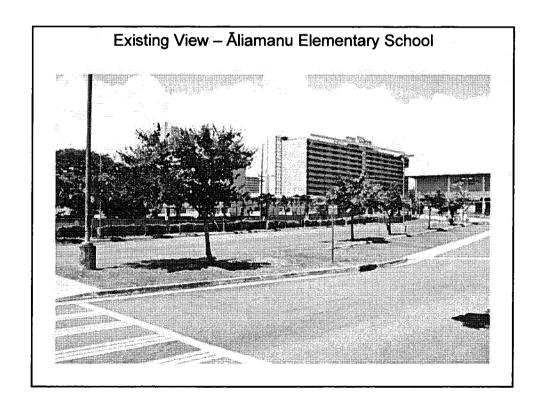


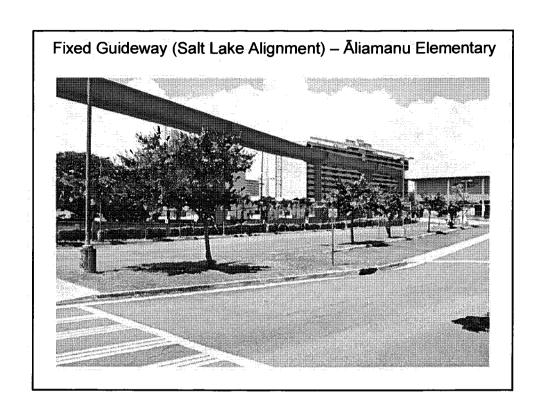


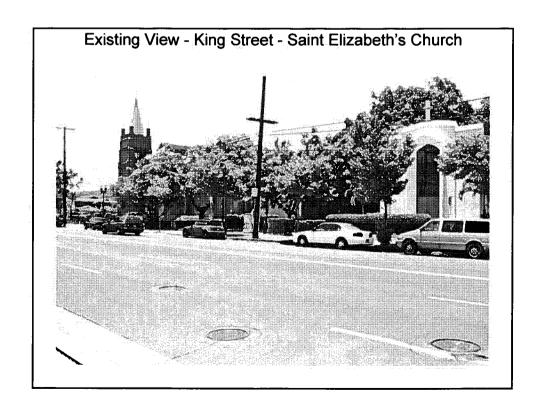


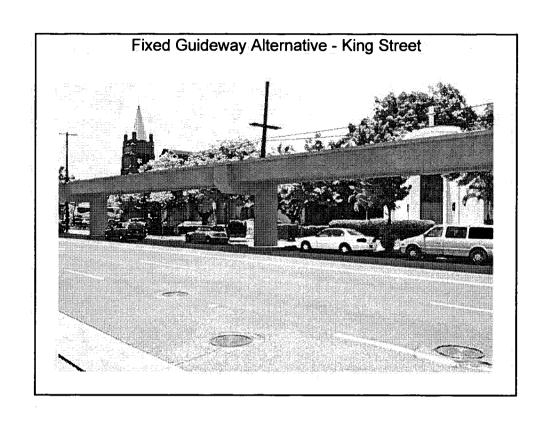


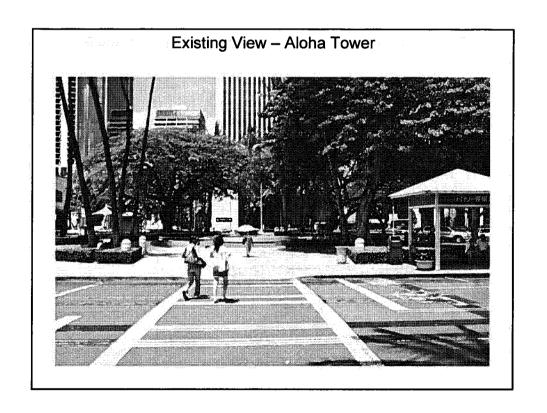


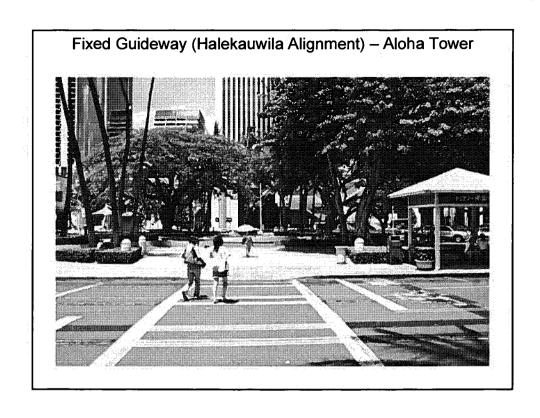


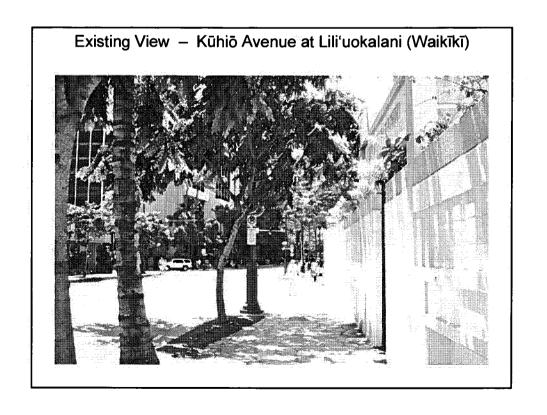




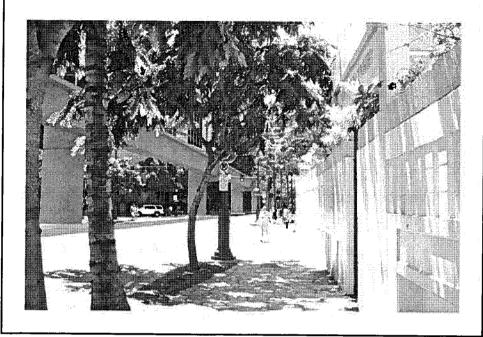








### Fixed Guideway - Kūhiō Avenue at Lili'uokalani (Waikīkī)



### September and October Community Updates

September 18, 12:00 noon U.H. Mānoa,

**Campus Center Ballroom** 

September 18, 7:00 p.m. August Ahrens Elementary,

Waipahu

September 19, 7:00 p.m. Holomua Elementary,

'Ewa

September 20, 7:00 p.m. Alvah Scott Elementary,

**'Aiea** 

October 24, 7:00 p.m. He'eia Elementary,

Kāne'ohe

October 30, 7:00 p.m. Nānāikapono Elementary,

Nānākuli

www.honolulutransit.org

### Schedule

**December 2005** Scoping Meetings - Completed

January 2006-October 2006 Technical Studies and Public

Outreach

**November 2006** Issue Alternatives Analysis

Report

November/December 2006 Public Hearing on Alternatives

**Analysis** 

**December 2006** City Council selects Locally

**Preferred Alternative** 

www.honolulutransit.org

### Get Involved

- Receive mailings
- Visit <u>www.honolulutransit.org</u>
- Call 566-2299
- Stay informed with accurate information

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# The Honolulu High-Capacity Transit Corridor Project

### Project Contact Sign-up

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NAME	COMPANY/ ORGANIZATION	MAILINGADDRESS	FMAII ADDESC	
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Roger Lacuesta		91-507 Papini Rel	Nas	die
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Date: 9/9/06	Organization:	HOLOMUA ELENENTARY, EWA BEACH	HRY EWA BEACH	



### Project Contact Sign-up

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Organization:

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# The Honolulu High-Capacity Transit Corridor Project

### Project Contact Sign-up

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Date:

HOLOMUA ELEMENTARY

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